

Application Serial No. 10/780,809
Amendment and Response to Office Action
Page 2 of 6

In the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A method of maintaining human hookworm in a ~~non-human primate~~, marmoset, comprising:
 - a. administering a non-adapted human hookworm to the ~~primate~~ marmoset to produce a human hookworm infection ~~in the non-human primate~~, therein, and
 - b. maintaining the hookworm-infected ~~non-human primate~~ marmoset.
2. (Previously Presented) The method of Claim 1, wherein the non-adapted human hookworm is a fresh human hookworm isolate.
3. (Previously Presented) The method of Claim 1, wherein the human hookworm is *Necator americanus*.
4. (Cancelled).
5. (Currently Amended) The method of ~~Claim 4~~, Claim 1, wherein the marmoset is *Callithrix jacchus*.
6. (Currently Amended) The method of Claim 1, wherein the ~~non-human primate~~ marmoset is infected with from about 100 to about 1000 larvae.

*Application Serial No. 10/780,809
Amendment and Response to Office Action
Page 3 of 6*

7. (Currently Amended) The method of Claim 1, wherein the human hookworm infection in the ~~primate~~ marmoset exhibits at least one of a patency, pathology, or immunology substantially similar to a hookworm infection in a human.

8. (Currently Amended) A human hookworm model comprising a ~~non-human-primate~~ marmoset infected with a human hookworm.

9. (Currently Amended) The model of Claim 8, wherein a human hookworm infection is maintained in the ~~non-human-primate~~ marmoset.

10. (Currently Amended) A method of producing a human hookworm, comprising:

- a. administering a non-adapted human hookworm to a ~~non-human primate~~ marmoset to produce a human hookworm infection in the ~~non-human primate~~, marmoset,
- b. maintaining the hookworm-infected ~~non-human-primate~~, marmoset,
- c. obtaining a fecal material from the non-human hookworm-infected ~~primate~~, marmoset, and
- d. isolating the human hookworm from the fecal material of the non-human hookworm-infected ~~primate~~ marmoset.

11-16. (Cancelled).